

WE CLAIM:

1. A fireblocking fabric comprising about 10 to about 90 percent by weight para-aramid fibers and about 90 to about 10 percent by weight pre-oxidized polyacrylonitrile fibers in a needlepunched nonwoven layer.
2. The fireblocking fabric of claim 1, free of inorganic filler and silicone coating, which meets the flammability requirements of 14 C.F.R. § 25.853 (2001) and Appendix F to § 25.
3. The fireblocking fabric of claim 2, having a thickness between about 0.020 inches and about 0.150 inches and a mass per unit area between about 3.0 and 14.0 ounces per square yard.
4. The fireblocking fabric of claim 3 comprising a single needlepunched nonwoven layer.
5. The fireblocking fabric of claim 3 comprising multiple needlepunched nonwoven layers.
6. The fireblocking fabric of claim 3, further comprising at least one loose woven scrim.
7. The fireblocking fabric of claim 3 comprising about 30 to about 60 percent by weight para aramid fibers, about 10 to about 40 percent by weight pre-oxidized polyacrylonitrile fibers and about 5 to about 35 percent of garnett consisting of recycled polybenzimidazole fibers, para-aramid fibers, meta-aramid fibers, or mixtures thereof.

8. The fireblocking fabric of claim 7 having a fluoropolymer treatment to impart water and stain repellency.

9. A fireblocking fabric comprising about 30 to about 60 percent by weight para-aramid fibers, about 10 to about 40 percent by weight pre-oxidized polyacrylonitrile fibers and about 5 to about 35 percent by weight of a garnett consisting of recycled polybenzimidazole fibers, para-aramid fibers, meta-aramid fibers, or mixtures thereof in at least one needlepunched nonwoven layer.

10. The fireblocking fabric of claim 9, which meets the flammability requirements of 14 C.F.R. § 25.853 (2001) and Appendix F to § 25.

11. The fireblocking fabric of claim 9, further comprising a loose woven supporting scrim applied to at least one side of said needlepunched nonwoven layer.

12. The fireblocking fabric of claim 11, further comprising a cured fluoropolymer treatment on said fabric.

13. The fireblocking fabric of claim 9, comprising a plurality of needlepunched, nonwoven layers and having a thickness between about 0.020 inches to about 0.150 inches and a mass per unit area between about 3.0 and 14.0 ounces per square yard.

14. The fireblocking fabric of claim 9 having a single needlepunched, nonwoven layer and having a thickness between about 0.020 inches to about 0.150 inches and a mass per unit area between about 3.0 and 14.0 ounces per square yard.

15. A fireblocking aircraft seat cushion covering comprising,
a fabric cover for positioning directly adjacent an aircraft seat
cushion;
a fireblocking fabric comprising a woven scrim and at least one
nonwoven layer comprising about 10 to about 90 percent by weight staple para-aramid
fibers and about 90 to about 10 percent by weight pre-oxidized polyacrylonitrile fibers
in a needlepunched nonwoven layer directly adjacent said fabric cover; and
a dress cover.
16. The seat cushion covering of claim 15, wherein said fabric
cover is woven.
17. The seat cushion covering of claim 15, wherein said dress cover is
positioned directly adjacent said fireblocking fabric.
18. The covering of claim 15, wherein said scrim is woven meta-
aramid yarn, and said dress cover is fabric or leather.
19. The covering of claim 15, wherein said fireblocking fabric has a
mass per unit area between about 3.0 and about 14.0 ounces per square yard.
20. The covering of claim 15, wherein at least said nonwoven
fabric layer has been treated with a fluoropolymer to impart water repellency.
21. The covering of claim 15, wherein said fabric cover is provided
with hook- and -loop type fasteners.
22. The covering of claim 15, wherein said fireblocking fabric is
provided with hook- and -loop type fasteners.

23. The covering of claim 15, wherein said fireblocking fabric comprises about 30 to about 60 percent by weight para-aramid fibers, about 10 to about 40 percent by weight pre-oxidized polyacrylonitrile fibers and about 5 to about 35 percent by weight of a garnett consisting of recycled polybenzimidazole fibers, para-aramid fibers, meta-aramid fibers, or mixtures thereof in at least one needlepunched nonwoven layer.